

WYVIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

Country	Doc#	Type	App#	App#	Pub Date	Pub Date	Pub Date	Pub Date	Pub Date
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VYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

Country	Docket #	Type	Atty.	Status	Appl. #	Filing Date	Patent #	Issue Date	Expiry Date	TITLE	1st Inventor	Assignee
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VYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

Country	Docket #	Type	Atty.	Status	Appl. #	Filing Date	Patent #	Issue Date	Expiry Date	TITLE	Int. Invention	Assignee
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VYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

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YYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

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WYVIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

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VYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

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WYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

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VYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

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09533416, 09533406  
09533405, 09533407

VYSIS, INC.-US and FOREIGN PATENTS/APPLICATIONS

Country	Docket #	Type	Atty.	Status	Appl. #	Filing Date	Parent #	Issue Date	Expiry Date	TITLE	Int. Invention	Assignee
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FIG. 1a

CELLS  
WITHIN  
CLINICAL  
SAMPLE



STEP 1

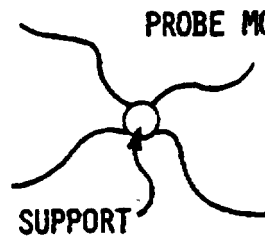
SOLUBLIZING AGENTS  
& DENATURATION  
OF NUCLEIC ACID

SAMPLE NUCLEIC ACID & CELLULAR DEBRI & IMPURITIES

STEP 2

RETRIEVABLE SUPPORT  
WITH PROBE MOIETY

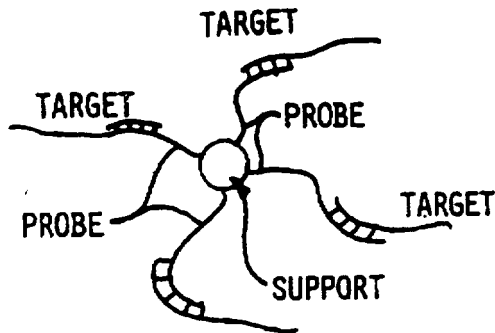
SAMPLE  
NUCLEIC ACID +



+ CELLULAR DEBRIS  
+ IMPURITIES

STEP 3

BINDING CONDITIONS

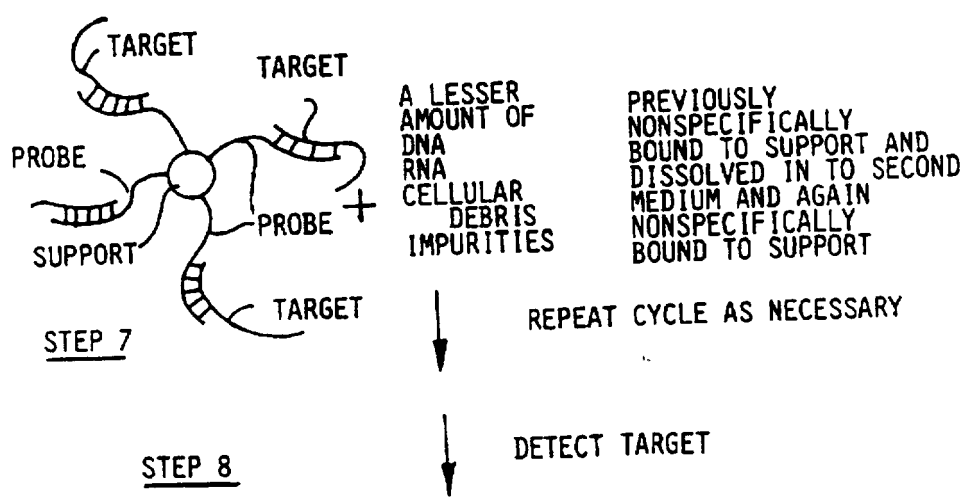
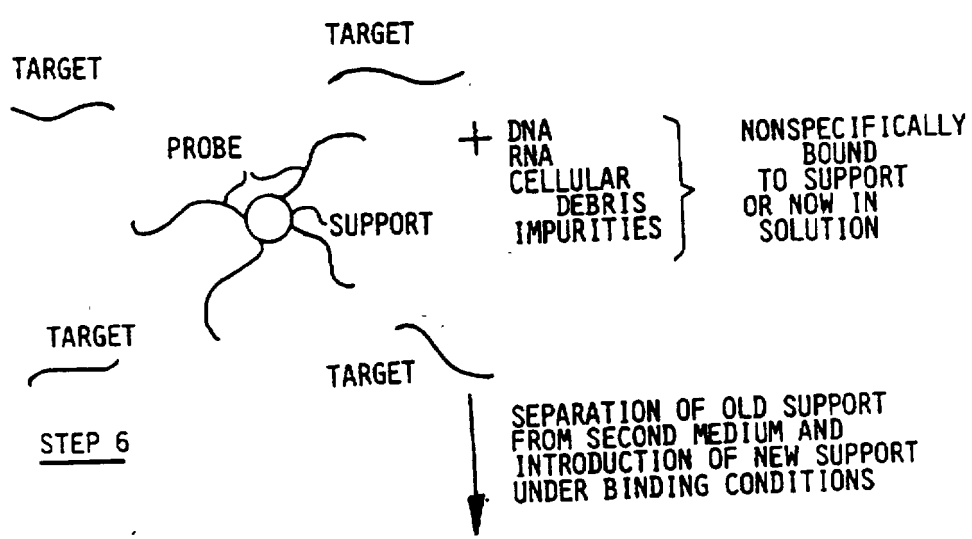
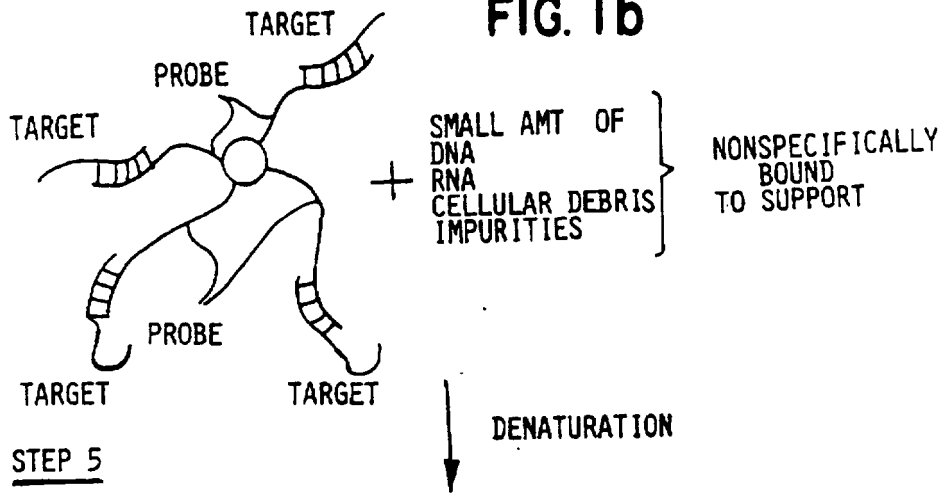


+  
LARGE AMOUNT OF  
DNA  
RNA  
CELLULAR DEBRIS  
IMPURITIES

STEP 4

00360" 346E.560  
00360" 346E.560

FIG. 1b

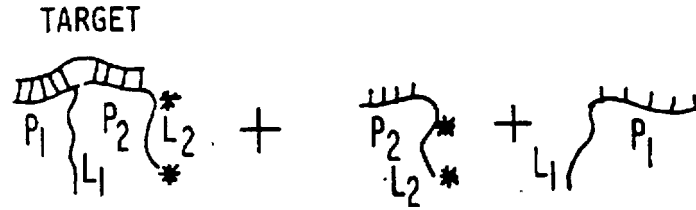






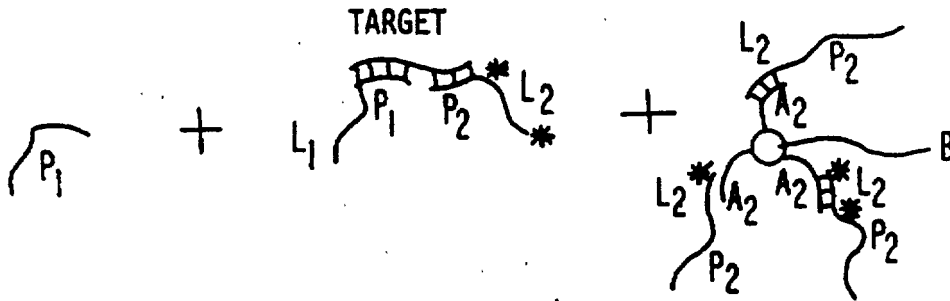
906556D  
906556D

FIG. 3



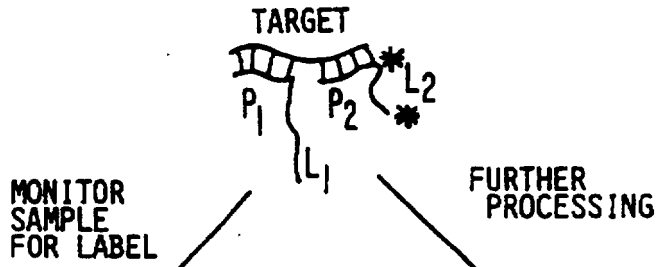
STEP 1

↓ SUPPORT SELECTIVELY BINDING  
TO SECOND LIGAND OF P<sub>2</sub>  
UNDER BINDING CONDITIONS



STEP 2

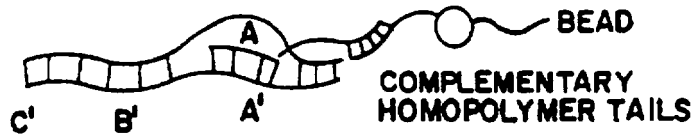
↓ REMOVE RETRIEVABLE  
SUPPORT (B<sub>1</sub>)



STEP 3

FIG. 4

STEP 1 TARGET DNA IN ROUGH SAMPLE  
CAPTURE PROBE (REC<sup>A</sup> PROTEIN COATED)  
CAPTURE BEAD  
BINDING CONDITIONS



STEP 2 ISOLATE BEADS  
TARGET DNA (SUBSTANTIALLY FREE OF SAMPLE  
IMPURITIES, DEBRI, EXTRANEIOUS  
POLYNUCLEOTIDES)

STEP 3 CORE RNA POLYMERASE  
LOW SALT BUFFER

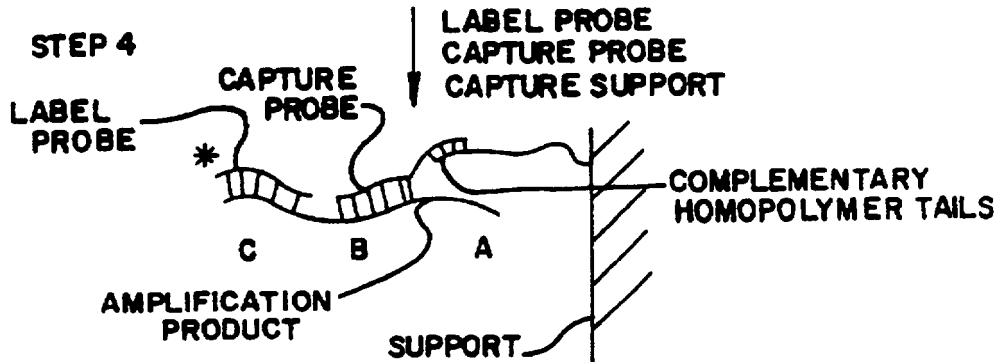
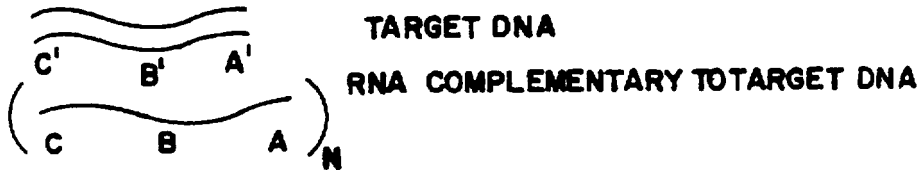
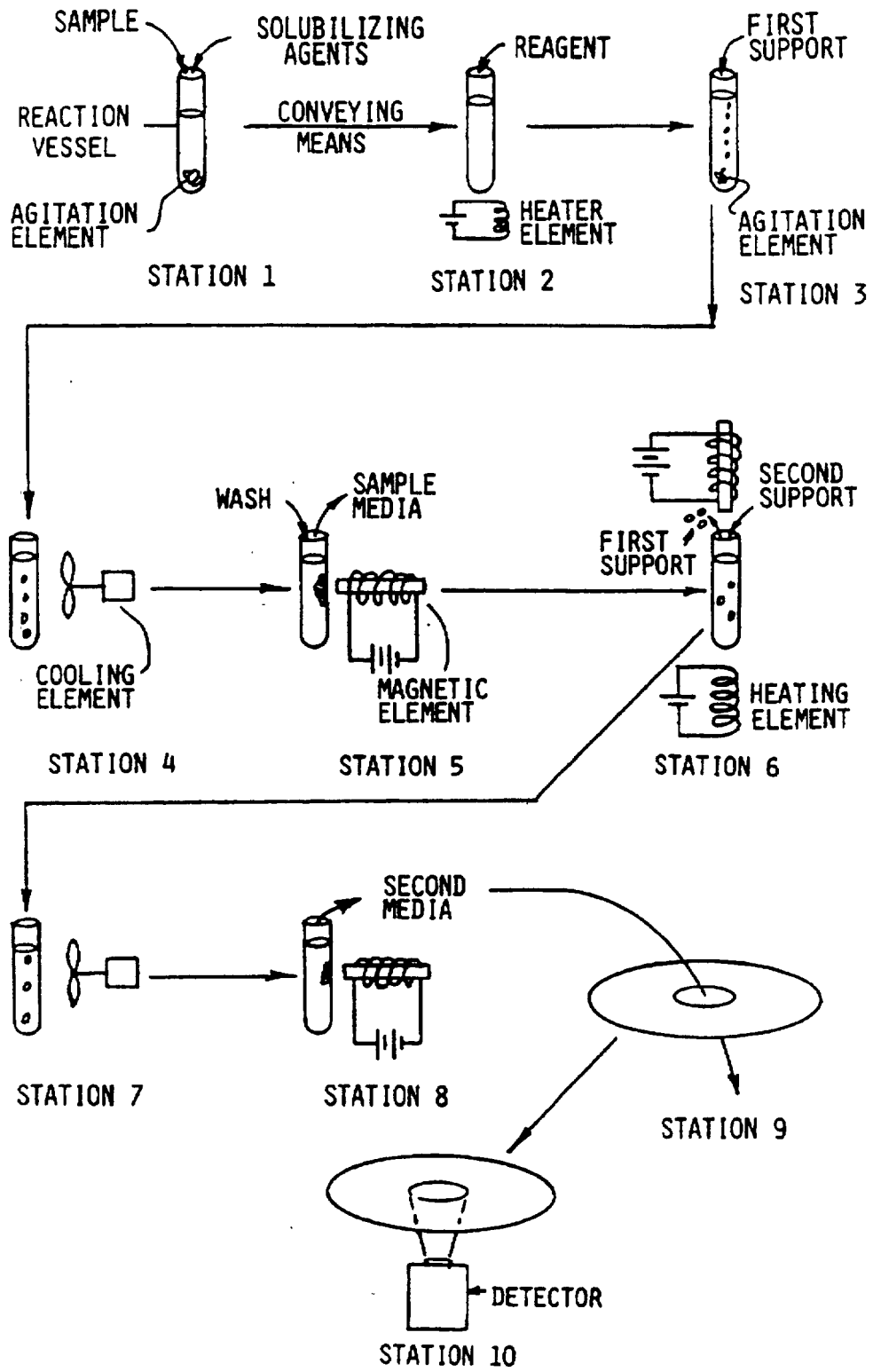








FIG. 7



000001" 00000000  
000000" 00000000

